# TRANSAC'TIONS 

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## LINNEAN SOCIETY.

1. Charucters of a new Liliaccous Genus called Brodicea. By James
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Read April 19, 1808.
I have had occasion, in treating of the distinctions between a calyx and corolla, Introduction to Botamy, 263, to advert.to a new genus of the liliaceous family, furnished with internal petals. It consists of two species, both which I have received, in a dry state, from Mr. Menzies, who discovered them in 1792 in New Georgia on the west coast of North America. The same liberal friend, to whom the Linnean Society, as well as myself, has so ofteu been obliged, perceiving I had, in the place above mentioned, fallen into an error respecting the number of the internal petals, which are 3 , not 6 , has favoured me with his original drawings, made from living plants on the spot, with dissections. By these I am enabled better to understand the subject than I could from dried specimens, which I had been unwilling to submit to the process of boiling and anatomizing, till I might have occasion to investigate them thoronghly for precise description. Hence the divided imner petals of one of them ror. $x$.
misled me. Mr. Menzies at the same time has communicated a suggestion of Mr. Salisbury's, that these supposed petals are barren filaments. It will appear, from the following characters and remarks, how far this idea is probable or not.

In the first place, as these plants form a most indubitable new genus, of the Liliaceous, or Patrician, order, I have called it Brodica, after James Brodie, Esq. F.L.S., of Brodie in North Britain, a gentleman whose scientific merits, whose various discoveries, and whose liberal communications on every occasion tending to elucidate the botany of his country in particular, require no elaborate display before the Linnean Socicty.

## Brodifa.

Triandria Monogynia. Sect. 2 ; flores inferi.
Narcissi. Juss. 54. Sect. 1; germen superum.
Calyx nullus. Corolla infera, tubulosa; limbo scxfido, regulari ; coronâ triphyllâ in fauce. Capsula trilocularis, polysperma.

1. B. grandiflora*, coronæ foliolis indivisis.

Radix bulbosa, globosa, solida, tunicâ multiplici, nervosâ. Folia bina, radicalia, vaginantia, lineari-lanceolata, acuta, invo-luto-canaliculata, glabra, ferè pedalia. Scapus solitarius, foliis pauld brevior, teres, glaberrimus, subsexflorus, plùs minùs tortuosus. Pedicelli umbellati, patentiusculi, filiformes, uniflori, longitudine varii. Bractece ad basin umbellæ, plures, lanceolatæ, scariosæ, nervosæ, acuminatie, pedicellis longè plerumque breviores. Flores Galanthi magnitudine, pulchrè cyanei, erecti. Corolla semisexfida; tubo pallescente, laciniis regularibus, subæqualibus, lato lanceolatis, patenti-recurvis; fauce co-

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ronatâ foliolis tribus, petaloideis, erectis, oblongis, uniformibus, indivisis, dilute flavescentibus, limbo duplo brevioribus, cum staminibus alternantibus. Fïlamenta tria, brevissima, fauce, inter coronx foliola, inserta. Anthera verticales, fulvæ, oblongæ, coronâ parùm breviores, biloba, lobis extùs longitudinalitèr dehiscentibus, haud absolutè bilocularibus. Germen pedicellatunı, elliptico-trigonum, triloculare, seminibus columellæ insertis. Stylus cylindraceus, longitudinc ferè staminum. Stigma trigonuin, trilobum.
2. B. congesta, coronæ foliolis bifidis.

> TAB. I.

Radix et herba fcrè prioris. Umbella minor, condensata, bracteis majoribus, latis, pedicellos superantibus. Flores cyanei, coronâ dilutiore, nec flavescente, foliolis semibifidis, acutis antheras longè superantibus, at limbo duplo, ut in priore, brevioribus. Stamina parùm e fauce prominentia inter coronæ foliola.

The three petal-like leaves, which crown the tube of the corolla in this genus, are, without doubt, analogous to the cup in Narcissus, the membranous expansion attached to the base of the stamens in Pancratium, and still more precisely to what Jussieu calls squamula, and Linnæus nectarium, in Tulbaghia. I see no more reason to reckon them barren filaments in one case than in the others; though, if my Brodiaa grandiflora were the only liliaceous plant furnished with them, they might, with great appearance of probability, be taken for such. But Brodica congesta guards us against this crror, and approaches a step nearer to Pancratium and Tulbaghia. 'These three genera indced bear the same relationship to the other liliacere, that Gnidia, Struthiola and Quisqualis do to Daphne and the rest of its natural order.


[^0]:    * Hookera coronaria, Salisl. Par. t. 98.

